

FIG. 1 is a block diagram of a mobile communication system 100. The system 100 includes a Mobile Station (MS) 106, a Base Station (BSS) 102, a Network Switching System (NSS) 104, and an Operation Support System (OSS) 118. The MS 106 is connected to the BSS 102 via an Air Interface 108. The BSS 102 includes Base Transceiver Stations (BTS) 110 and Base Station Controllers (BSC) 114. The BSC 114 is connected to the NSS 104 via an interface 112. The NSS 104 includes a Mobile Switching Center (MSC) 122, a Home Location Register (HLR) 124, a Visitor Location Register (VLR) 126, an Equipment Identity Register (EIR) 120, and an Authentication Center (AuC) 128. The MSC 122 is connected to external networks 130, including ISDN 132, PSTN 134, PLMN 136, and PSPDN 138. The OSS 118 is connected to the MSC 122 via an interface 116.

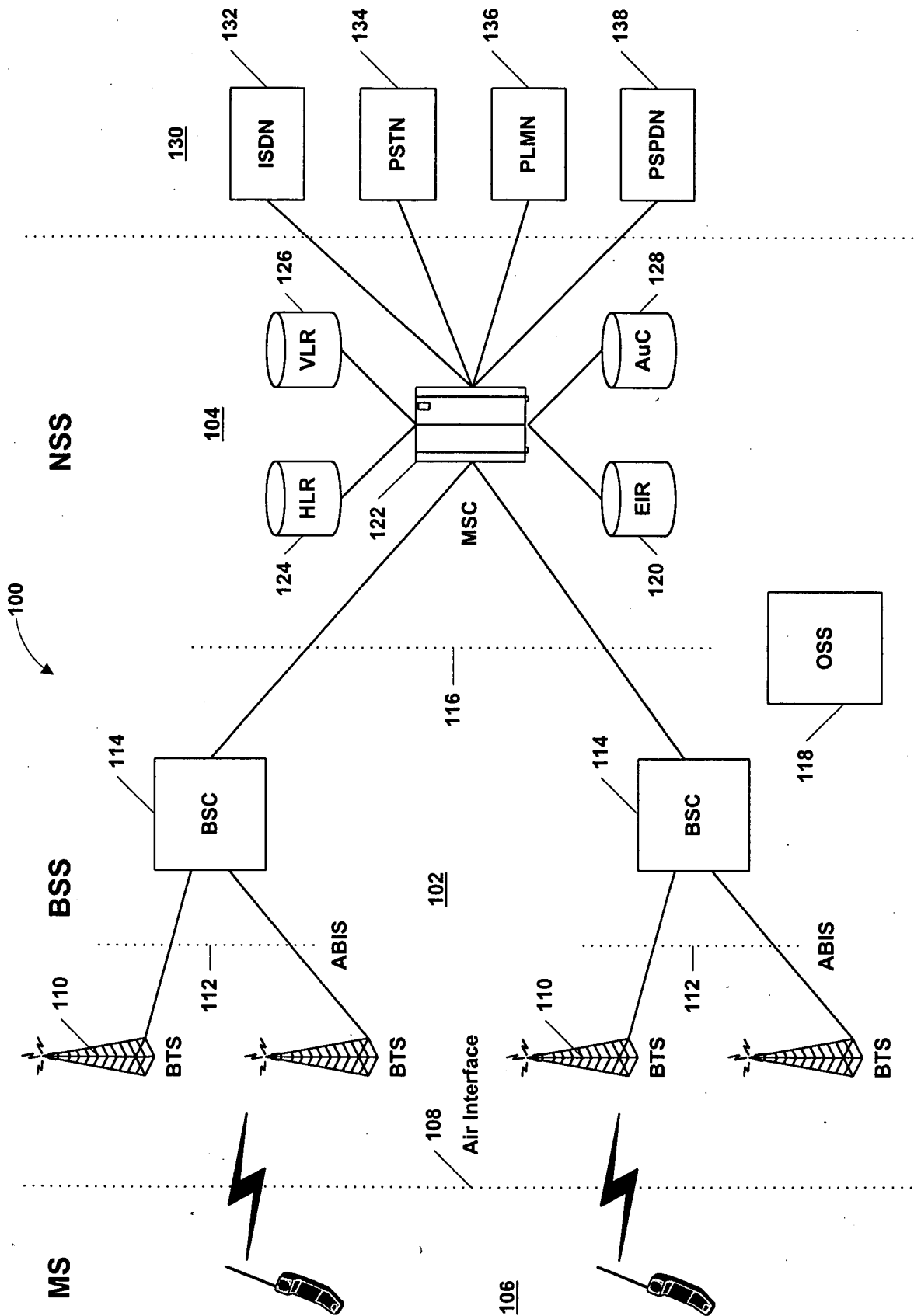


FIG. 1

[illegible]

894.00 MHz

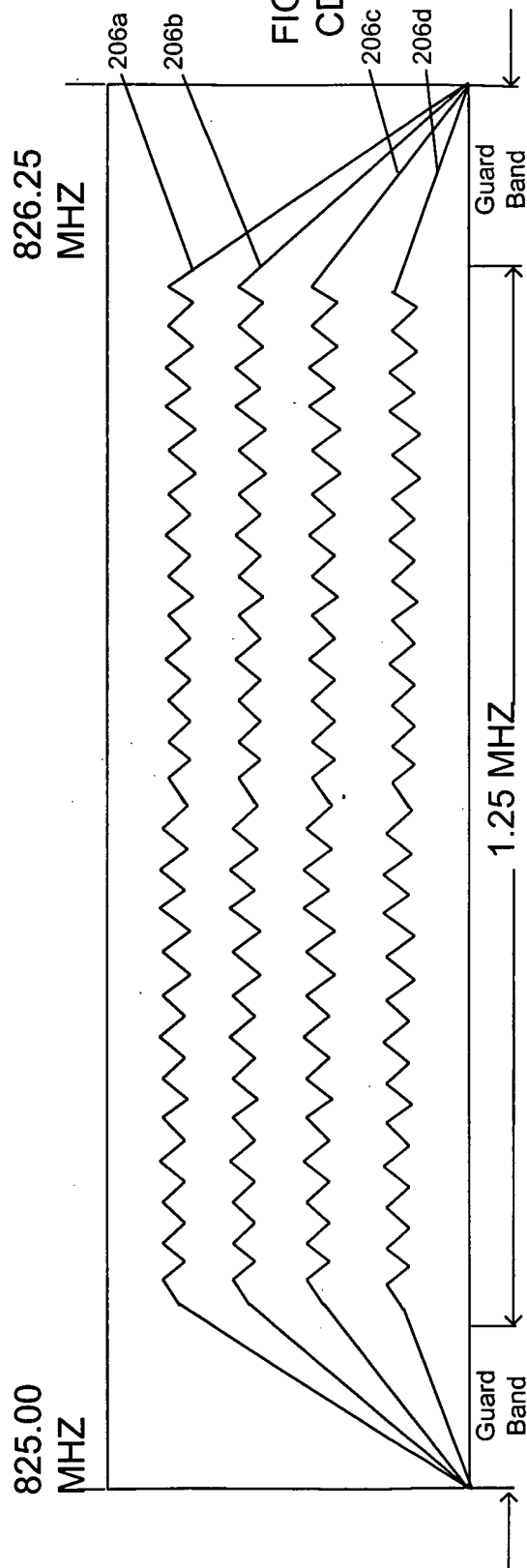
**FIG. 2A**  
**FDMA**

[illegible]

FIG. 2B.  
TDMA

[illegible]

FIG. 2C  
CDMA



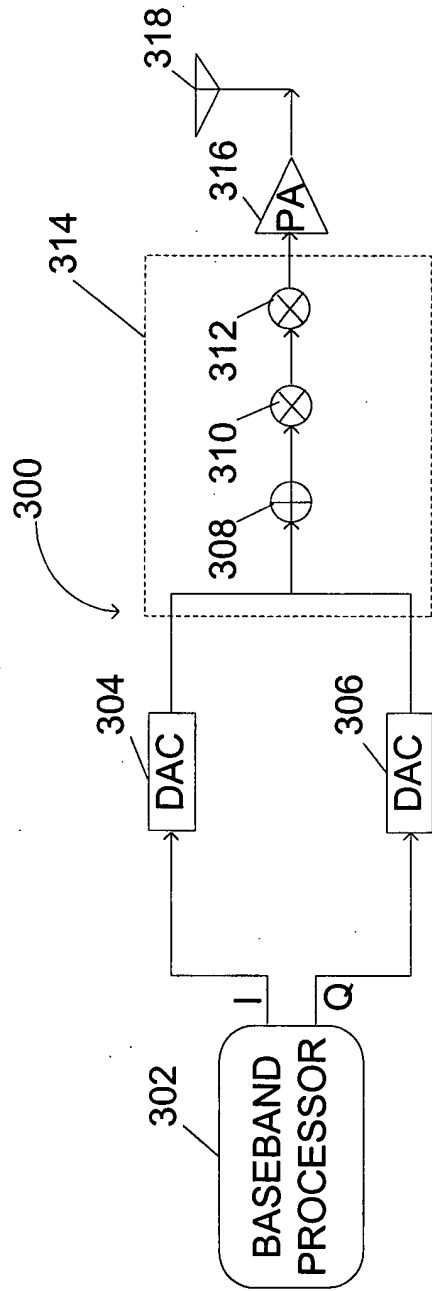


FIG. 3A

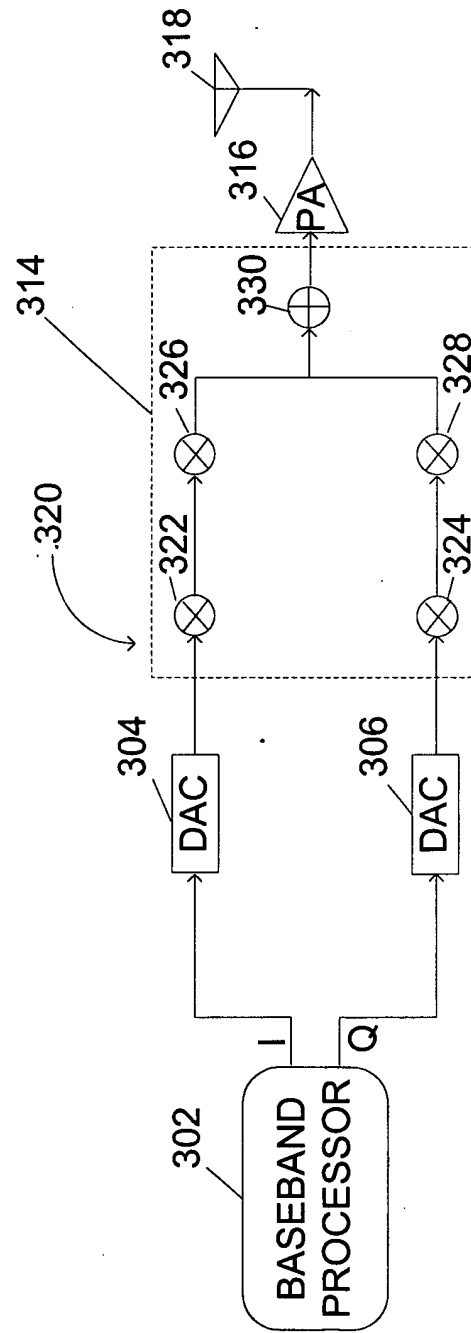


FIG. 3B

Symbol State	I	Q	Symbol Bit Pattern	Phase State
1	1	1	00	45°
2	-1	1	10	135°
3	-1	-1	11	225°
4	1	-1	01	315°

FIG. 4

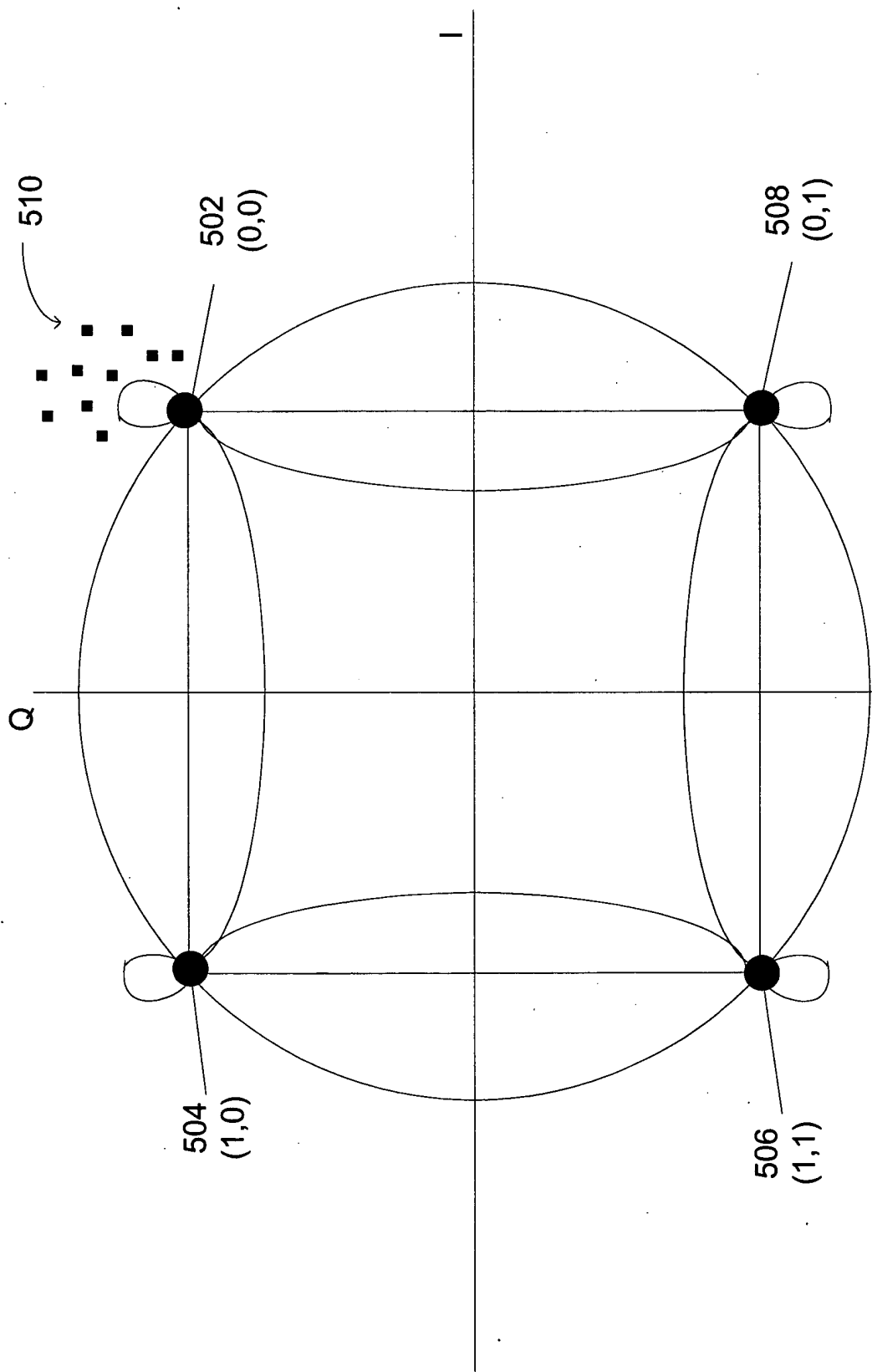


FIG. 5

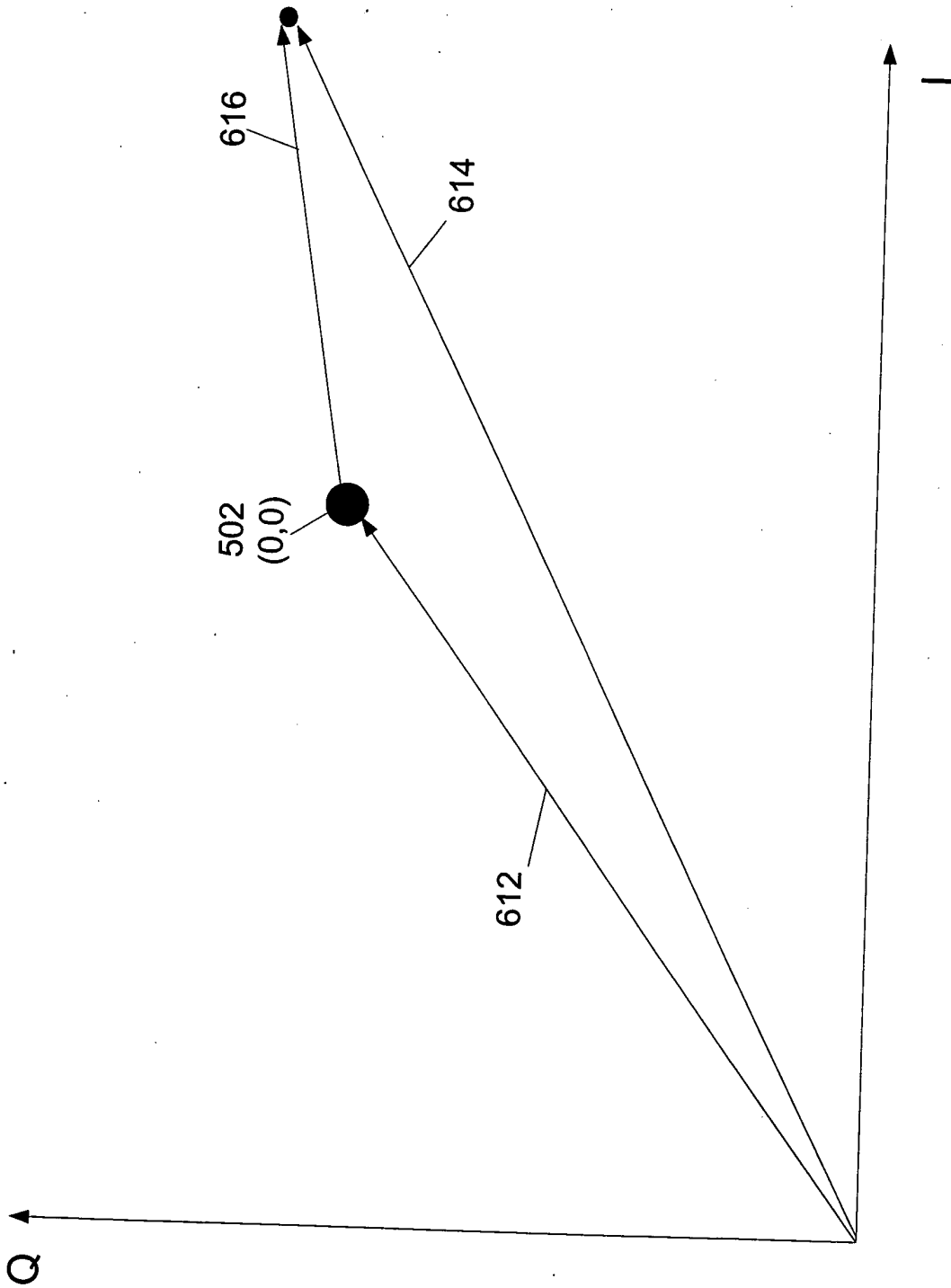


FIG. 6

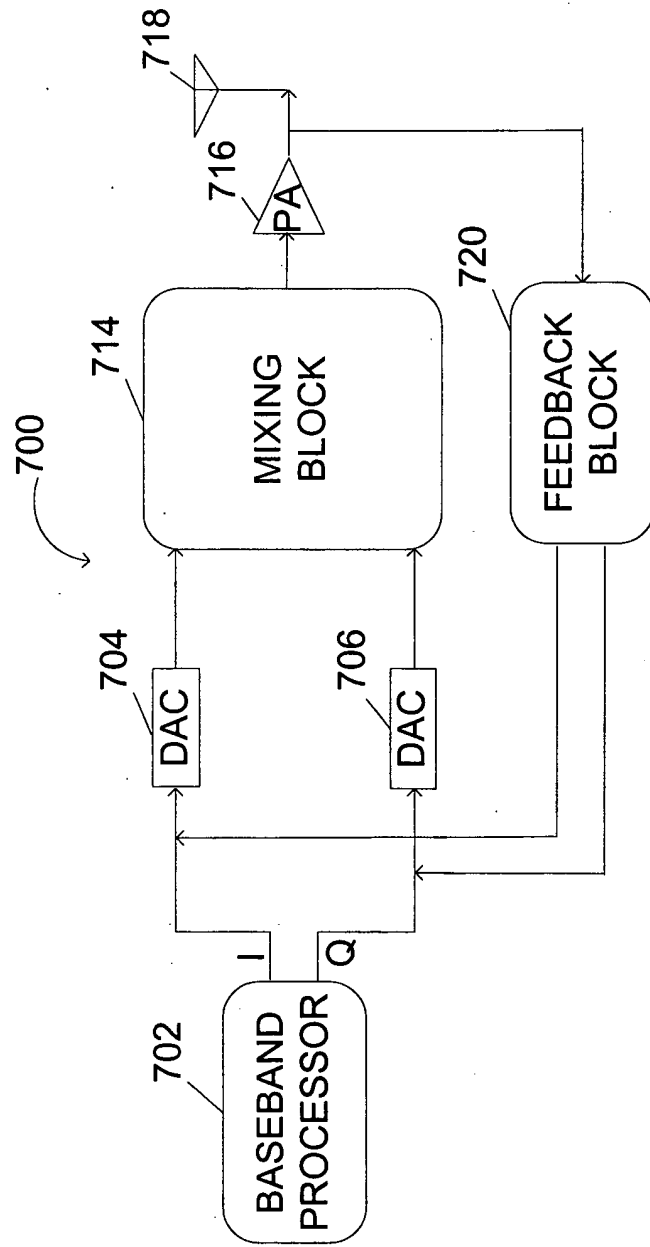


FIG. 7

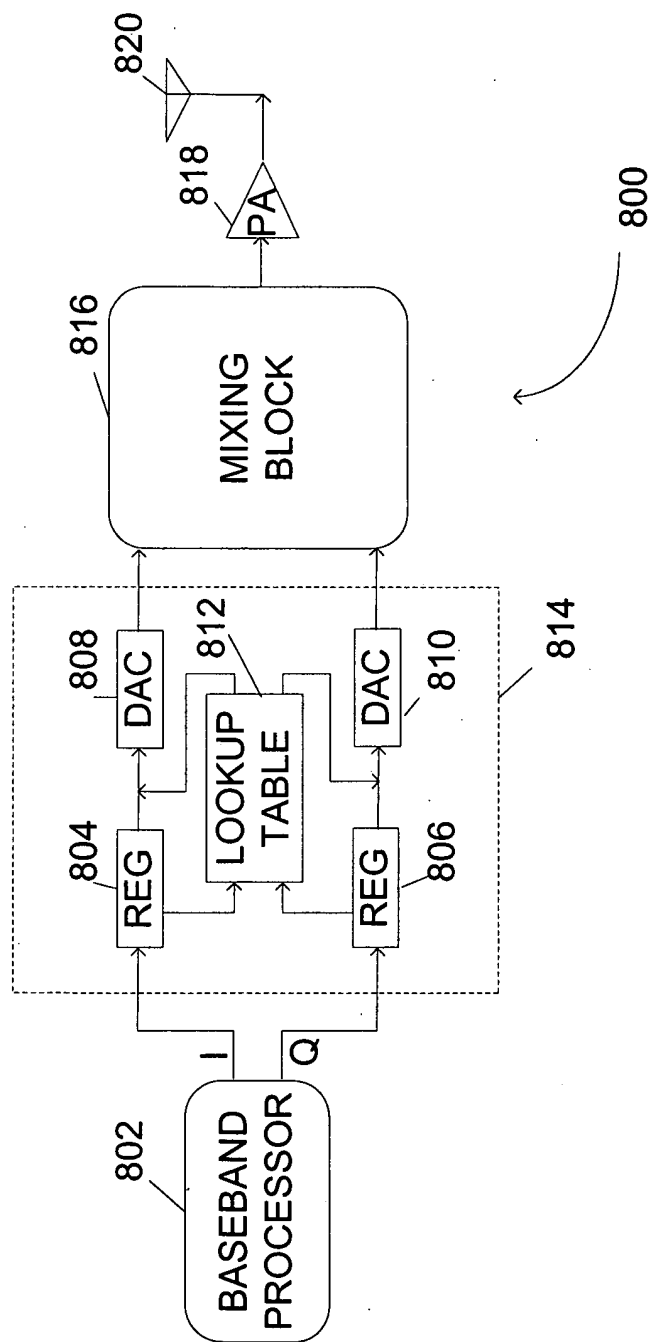


FIG. 8



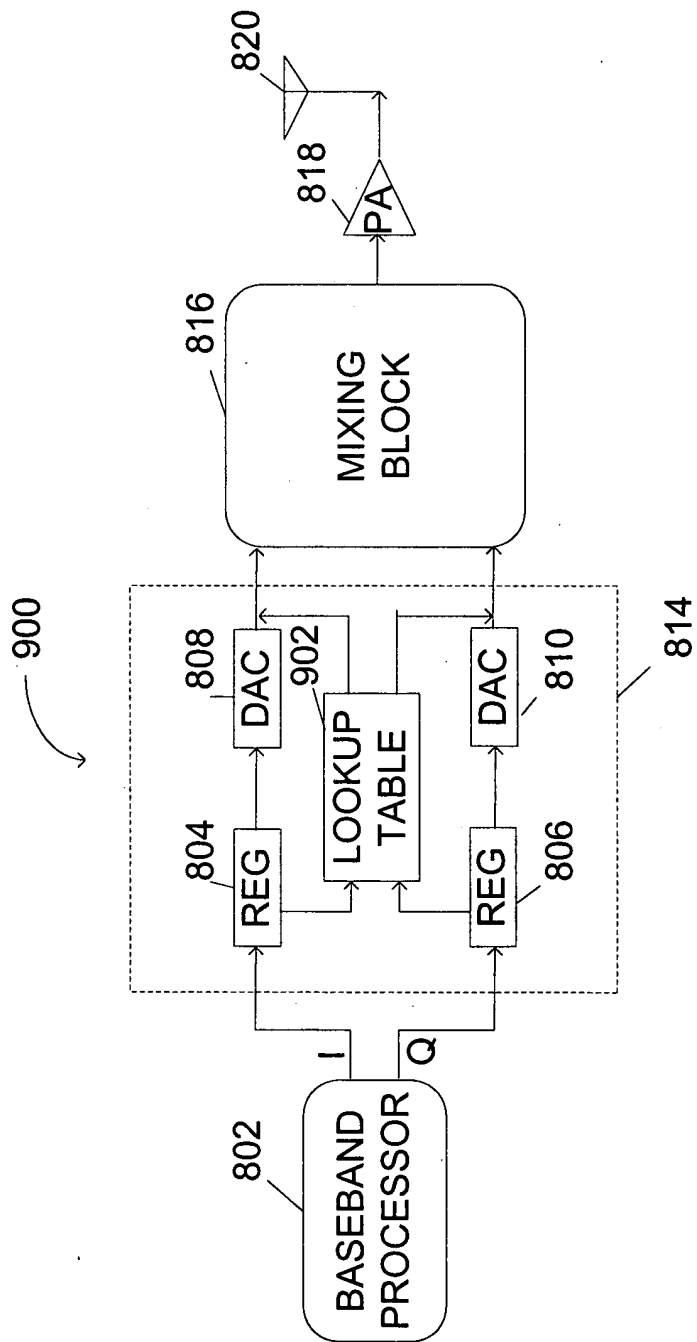


FIG. 9

1000

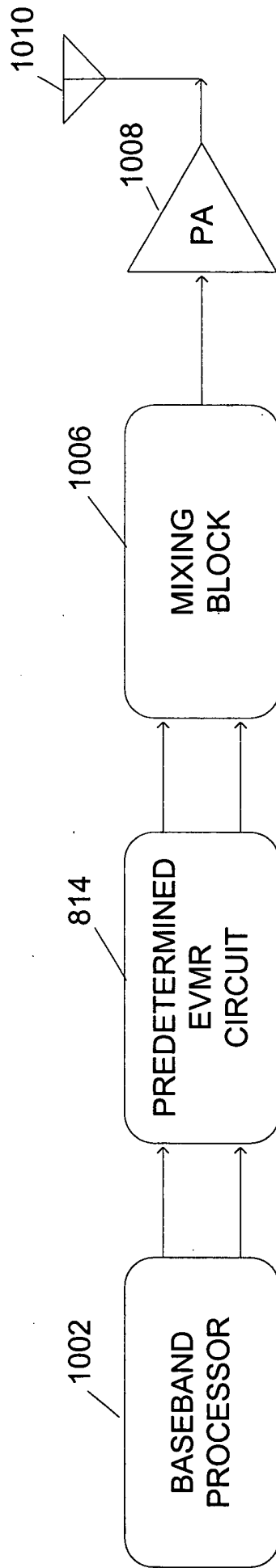


FIG. 10

FIG. 11

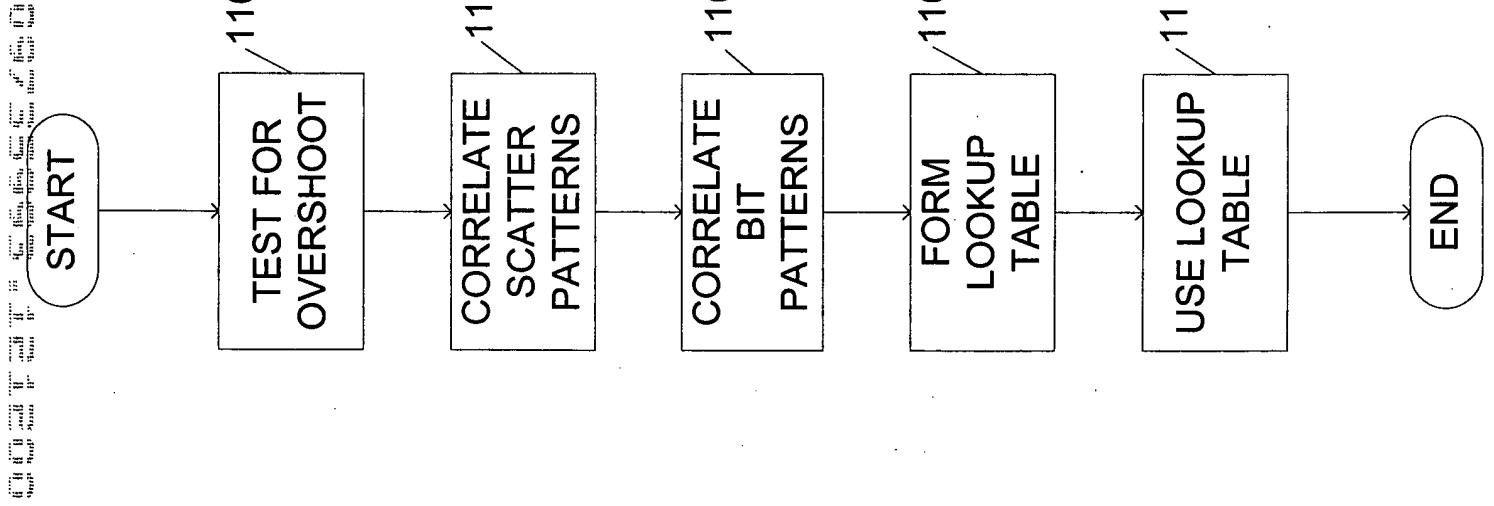


FIG. 12

FIG. 12 is a flowchart illustrating a process for generating and comparing digital data. The process begins at a START node, leading to a block 1202 labeled "GENERATE DIGITAL DATA". This is followed by a block 1204 labeled "STORE DIGITAL DATA IN REGISTERS". The process then moves to a block 1206 labeled "COMPARE DIGITAL DATA". A decision diamond labeled "MATCH?" follows. If the answer is "YES", the process proceeds to a block 1208 labeled "USE MODIFIED DATA". If the answer is "NO", the process proceeds to a block 1210 labeled "USE DIGITAL DATA". Both paths 1208 and 1210 lead to an END node.

